Electrical World

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A

ACCIDENTS

Pacific G&E: Seven miners fell 300 ft to their deaths after the collapse of scaffolding in a 1,000 ft shaft at Helms pumped storage plant February 9

ACQUISITIONS

Illinois Power Co agrees in principle to merge the Mt Carmel (Ill) Public Utility into its system April 14
Madison G&E will purchase the assets of Cross Plains Electric Co in an exchange of common stock April 14

ADVERTISING

Editorial: Consumer groups are not consumers May 3

ALTERNATE ENERGY

Ben Gurion University (Israel) scientists: A breakthrough in solar energy technology will "revolutionize solar energy systems throughout the world" February 14
P = X: A stride for renewable energy March 22
Pacific G&E expects to meet energy needs of the 1980s with more renewable and alternative resources and with fewer new projects and less expansion January 11

APPLIANCES

California Energy Commission has ordered Gemco, a major retail outlet, to "immediately remove" from one of its Sacramento stores appliances that the agency claims do not meet the state efficiency requirements January 15
Total January major-appliance shipments dropped 6.3% from last year but microwave ovens and room air conditioners jumped March 16

ASSOCIATIONS

AMERICAN PUBLIC POWER ASSN: Naruc repeats need for total rate design January 29
ASHRAE: A revised standard designed to avert indoor air pollution is approved by the board of ASHRAE March 16
ATOMIC INDUSTRIAL FORUM: Survey shows nuclear electricity programs outside the US on the increase in 1980, with orders for new plants abroad more than doubling those of the previous year April 9
CANADIAN ELECTRICAL ASSN: Electric power may soon overshadow oil as a form of energy in Canada, says J. Norman Olsen, CEA president June 16
EDISON ELECTRIC INSTITUTE: Has received the final draft of a study examining the potential role of American electric utilities in district heating May 16
EDISON ELECTRIC INSTITUTE: Interview with EEI's new chairman, Frank W. Griffith: The financial dilemma: Is there a way out? March 27
EDISON ELECTRIC INSTITUTE: Naruc repeats need for total rate design January 29
EDISON ELECTRIC INSTITUTE: Study of the potential for business diversification in the investor-owned electric utility is under way by EEI's Regulatory Policy Analysis Div May 13
EDISON ELECTRIC INSTITUTE: Annual Meeting report: Utilities aim at managing the energy transition May 26
IEEE: Winter Power Meeting report March 24, 91, 105
LOUISIANA ASSN OF BUSINESS & INDUSTRY: Louisiana will need nuclear power and coal generation in the next decade, or soon after, when the state's oil and gas production begins to level off or decline February 9

NARUC group may air TMI with Reagan February 21
NARUC: Purpa ruling gets close attention at NARUC April 19
NARUC repeats need for total rate design January 29
NATIONAL COAL ASSN: Coal production to gain 2.3% in 1981 February 80
NATIONAL COAL ASSN: Outlook for US coal production looks brighter, primarily due to prospects in the synfuels industry April 120
NATIONAL COAL ASSN: Reports that US coal production will rise to 844-million tons in 1981, and that coal consumption will grow 4.8%, to 837-million tons Feburary 9
NATIONAL COAL ASSN: US coal industry and the United Mine Workers of America have joined forces in requesting that new coal-conversion legislation address the financial plight of utilities and eliminate regulatory constraints on the use of coal April 120
NATIONAL ELECTRICAL MANUFACTURERS ASSN (NEMA): An article in Reader's Digest that attacked artificial light as a potential health hazard is based on unsupported claims, according to a NEMA subcommittee June 16
NRECA: A consortium of 30 investor-owned electric utilities and NRECA have organized the Utility Acid Precipitation Study Program June 13
NRECA: Naruc repeats need for total rate design January 29

PUBLIC UTILITIES COMMUNICATORS ASSN: South Carolina E&G wins this year's Best Utility Communications Program of the Year award June 16

WESTERN FUELS ASSN: Signs a contract with North Carolina Electric Membership Corp to study the use of peat as a boiler fuel for a generating plant the latter proposes to build and operate January 16

AWARDS

Fermi Award: Man can resolve the technical and institutional difficulties "that now beset nuclear energy," says Alvin Weinberg, director of the Institute for Energy Analysis at Oak Ridge on receiving the Fermi award March 11
IEEE: Winter meeting: W. R. Johnson receives Habirshaw award; J.E. Calkins, receives Hickernell award; and D.B. Harrington receives the Tesla award May 24

PUBLIC UTILITIES COMMUNICATORS ASSN: South Carolina E&G wins this year's Best Utility Communications Program of the Year award June 16

B

BATTERIES

Battelle Columbus study (proposed) will identify current and projected energy-storage technologies for use in residential, commercial, office, and industrial applications April 14
Public Service E&G: Battery Energy Storage Test Facility (BEST) starts up June 25

BLACKOUTS

Mexico City and 16 central and southern states of Mexico had a three-hour blackout begainning about 7 a.m. (CST) on Jan 15 February 14
Utah P&L: Utah PSC analyzes Jan 8 blackout June 26
Utah P&L: Sudden fire triggers wide blackout February 20

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CABLES

Consolidated Edison: Test set finds faults fast and saves dollars May 121
Hydro Electric Commission: Truck-mounted cable puller resolves congestion problems May 156

CAPACITY ADDITIONS

1981 Capacity additions special report January 65
Editorial: New capacity: The squeeze is on already January 3
Erratum: 1981 Capacity Additions report's NPCC Hydroelectric section inadvertently listed Lawrence Units 1 and 2 as owned by City of Lawrence, Mass March 16
1981 Annual Statistical Report April 73

CAPITAL EXPENDITURES

1981 Annual Statistical Report April 73

COGENERATION

Breeder: The first certified nuclear cogeneration facility in the US is Breeder Reactor II located at Argonne National Laboratory's Idaho National Engineering Lab April 9
Cogeneration: Likely choice for nonregulated expansion May 21
Cogeneration: Will it grow or will it slow? April 24
Gulf States Utilities: Has set an ambitious goal of 300 MW of cogeneration in its service area within the next 10 years January 11
Hawaii: Sugar, oil firms agree to cogenerstion January 32
Otter Tail Power will build a 135-MW coal-fired cogeneration facility near Jamestown, ND February 9

COMMUNICATIONS

Load-management test marks introduction of TWACS system (New England Electric System, Missouri P&L, and Emerson Electric) January 129
National Economic Research Associates: Utilities must do more communicating January 107
Niagara-Mohawk: Fiber-optic link breaks data logjam February 89

COMPUTERS

Central Illinois Light: Backup for computer's power ensures it won't miss a beat January 118
Computer special report: Facilities management by computer graphics March 51
Ebasco Services: Selecting an optimum-size coal-fired unit March 76
Reuter-Stokes Inc: Computer model gamma radiation February 77

CONSERVATION

Ashrae: A revised standard designed to avert air pollution indoors is approved by Ashrae's board March 16
Battelle Columbus proposed study will identify current and projected energy-storage technologies for use in residential, commercial, office, and industrial applications April 14
Bonneville Power Administration study shows that in just one typical suburban distribution line, cost-effective conservation measures could save 143,000 kWh/yr March 13
California Energy Commission has ordered Gemco, a major retail outlet, to "immediately remove" from one of its Sacramento stores appliances that the agency claims do not meet the state efficiency requirements January 15
Commonwealth Edison: New air-cooler installed for next summer January 27
Conservation gets high grades from commission March 19

Demand control: A cost-effective approach March 101
Exxon Corp: Drops plans to market the ac synthesizer it announced almost two years ago April 14
General Electric: Interior storm windows save energy, money April 150
General Services Administration sets up a "dawn-patrol" staff, which makes the rounds of federal buildings after hours to spot energy waste February 14
Guide to customer-acceptance studies April 145
Massachusetts: Energy-audit program in Massachusetts is facing a great deal of popular opposition, as a result of listing the

ratepayer's contribution to the program as a separate line item on monthly bills May 16
NERA: Can utilities afford conservation? February 29
NY State Research & Development Authority and Rochester G&E: A mobile research van and radon detection system called Aardvark was hooked up to nine homes in the Rochester (NY) area to assess the relationship between air infiltration, energy use, and air quality April 14
Northwest: Power struggle kicks off Northwest Power Act February 19
Oak Ridge National Laboratory: The crawl space of a house can be used during winter months to preheat source air for a heat pump, according to a study by ORNL May 11
Public Service E&G: Utility cooperates in test of conservation methods February 102
Puget Sound P&L: Residential customers who use wood as a primary source of heating save, on the average, 6,800 kWh, or $250 annually April 14
Secretary of Energy should develop and implement an integrated residential energy conservation outreach strategy, Comptroller General Elmer R. Staats tells Congress March 16
TVA: Conservation: Loopholes and care packages January 31
TVA: Drops its proposal to impose a stiff hookup penalty for poorly insulated new homes May 16
Texas P&L joins the coupon craze as part of a marketing program promoting energy efficiency May 11

CONSTRUCTION

Copter extends its use on utility line projects February 113
San Diego G&E: One shoring box for 15 large vault projects April 165

CONSUMERISM

Editorial: Consumer groups are not consumers May 3
Ontario Hydro: Amperage-limiter activates negligent bill payers March 119
Southern California Edison: Has opened a new line of communication to serveral hundred thousand hearing- and speech-impaired customers within the company's service area February 14

COOLING TOWERS

Condensers in series work well April 119

CRIME

Florida P&L and Fort Pierce Utilities: Three incidents of sabotage, two on FP&L substations and one on a Ft Pierce substation, occurred almost simultaneously on March 28, causing an estimated $2.2-million in damages May 16
San Diego G&E says it will file charges for meter tampering whenever a case warrants prosecution January 13

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DISTRIBUTION

Bonneville Power Administration study shows that in just one typical suburban distribution line, cost-effective conservation measures could save 143,000 kWh/yr March 13
Consolidated Edison Co of NY: Test set finds faults fast and saves dollars May 121
Florida Power Corp: Pneumatic mole saves Florida lawns, 5/6 of job cost March 122
General Electric and AEP Service Corp embark on a two-year project for a fully automated distribution system March 13
IEEE Winter Power meeting report March 91
Pacific Gas & Electric: Automate feeders to improve reliability January 93
Technical reference: (Electrical World's 5th annual electric utility industry technical reference) June 41
1981 Annual statistical report April 73

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ECONOMICS

1981 Annual Statistical Report April 73

EDITORIALS

New capacity: The squeeze is on already January 3
TMI: Charitable cause--or a laboratory? February 3
Can privately owned utilities survive? March 3
Service standards are negotiable (Jacksonville Electric Authority and Southern California Edison) April 3
Consumer groups are not consumers May 3
If you slim generation, better fatten transmission June 3

EDUCATION

Higher education and utility self-interest May 33
Iowa: Classroom material sponsored by Iowa's utilities has been judged biased in favor of the industry by a state-sponsored review panel which recommended that it be banned from formal presentation at upcoming seminars January 13

EMPLOYEE TRAINING

NRC study at Oak Ridge National Laboratory: Simulators to train nuclear-plant operators are not being used to their full potential March 11

ENERGY

Canadian Electrical Assn: Electric power may soon overshadow oil as a form of energy in Canada, says J. Norman Olsen, CEA president June 16
DOE's Energy Information Administration reports that energy production increased and consumption decreased in 1980 June 16
Reagan team takes aim at the Energy Act April 21
TVA: Substitution of kilowatts for barrels of oil may not be quite as dramatic as lighting up the countryside but it may well be more important, says S. David Freeman, chairman of TVA April 9

ENERGY MANAGEMENT

California: A proposed joint program by two California utilities, which would combine meter-reader work in the field, draws mixed reviews May 15
Commonwealth Edison: New air-cooler installed--for next summer January 27
Demand control: A cost-effective approach March 101
General Electric: Interior storm windows save energy, money April 150
Georgia Power and General Motors: Utility marketers examine 'Great Expectations' April 149
Guide to customer-acceptance studies April 145
How to use rates when saving energy February 99
IEEE Winter Power meeting report March 105
Load management test marks introduction of TWACS system (Emerson Electric Co, Missouri P&L and New England Electric System) January 129
Metro railways help make cities livable May 135
NERA: Utilities must do more communicating January 107
Ontario utilities were called on to promote electricity's value, during a recent Canadian conference May 11
Public Service E&G: Utility cooperates in test of conservation methods February 102
Southern California Edison has opened a new line of communication to several hundred thousand hearing- and speech-impaired customers within the company's service territory February 14
Southern California Edison: Whole-house demand-limiting device is tested March 103
1981 Statistical Report April 73
Technical Reference (Electrical World's fifth annual electric utility technical reference issue) June 41
Texas P&L joins the coupon craze as part of a marketing program promoting energy efficiency May 11
University of Georgia: Higher earnings can lead to lower kWh prices January 109
University of Georgia: A look at regulation and its effect on customer bills May 139

ENERGY MANAGEMENT: HEATING

EEI has received the final draft of a study examining the potential role of American electric utilities in district heating May 16
Oak Ridge National Laboratory: The crawl space of a house can be used during winter months to preheat source air for a heat pump, to improve its efficiency May 11
Oregon PUC Commissioner John Lobdell suspends his order calling for a system expansion charge on new electric space- and water-heating hookups until the legislature acts on a bill that would ban electric space-heating statewide where natural gas is available April 11
Puget Sound P&L: Residential customers who use wood as a primary source of heating save, on the average, 6,800 kWh, or $250 annually April 14
Wisconsin Public Service has dropped a study for a district-heating facility that would have used rejected heat from its generating station at Green Bay May 16

ENERGY MANAGEMENT: LIGHTING

NEMA subcommittee reports that an article in Reader's Digest that attacked artificial light as a potential health hazard is based on unsupported claims June 16

ENVIRONMENT

EPRI-funded experiment conducted by Battelle shows that the effects of high-strength electric fields on large mammals has produced inconclusive results May 11
EPA grants two companies the first authorizations to incinerate polychlorinated biphenyls (PCBs)--Rollins Environmental Services and Energy Systems Co March 13

ENVIRONMENT: AIR POLLUTION

According to Advanced Energy Dynamics Inc, its proprietary mechanical coal-cleaning process could eliminate almost any need for flue-gas desulfurization for certain coals January 13
AEP: A warning that pollution from power plant stacks could contribute to thousands of deaths in the next 25 years is critized by AEP officials in Ohio and Indiana April 11
DOE recently released its "Acid Rain Information Book" January 87
EPRI-EPA report concludes that selective catalytic reduction (SCR) with ammonia has achieved significant progress in treating NO_x emissions from coal-fired boiers May 11
Iowa-Illinois G&E's Louisa generating station will not require a scrubber, but EPA has issued a new restriction that limits the plant's operation to 83% of capacity March 13
McIlvaine Co: A 30% expansion of the US precipitator industry from 1980 to 1985 is predicted April 120
Minnesota P&L: Plant's flyash supplies the lime for its SO_2-removal unit (Cohasset station) April 171
NRECA: A consortium of 30 investor-owned electric utilities and NRECA have organized the Utility Acid Precipitation Study Program June 13
Ohio Edison, Duquesne Light and Pennsylvania Power agree to install more than $500-million of pollution-control equipment at

ten coal-fired plants on their systems to settle US government lawsuits February 11
Philadelphia Electric has reached agreement with Essex Chemical and Allied Chemical to construct SO_2 "regeneration"facilities March 13
Prevention of significant deterioration (PSD) review, or compliance with new-source performance standards (NSPS), may be required of powerplants converting from oil and gas to coal, unless the converting source is, or at one time was, "capable of accomodating" the fuel to which it is converting June 13
Pedco Environemtnal: Oil, not coal, is acid-rain culprit March 81
Houston Lighting & Power: Some baghouse details relate to acfm, but . . . January 115
Southern Co: Chemicals raise ESP efficiency January 32
Southern California Edison: California Air Resources Board tempers its position and rewrites its NO_x emission rule hoping to satisfy SoCal Edison and avoid a court battle January 11
Texas Utilities Services Inc: FGD unit saves energy by using bypass gas reheat April 167
Washington Comment: Developments to watch: Two-tier rates, captive coal, and visibility problems May 4
WEST Associates: A significant total margin of error in the scientific/technical background of EPA's visibility regulations is noted in a preliminary study by WEST April 11
Wisconsin: A joint committee made up of representatives of eight Wisconsin and Upper Michigan electric utilities, the Wisconsin Dept of Natural Resources, and the Wisconsin PSC has agreed on a two-year acid-rain research study June 13

ENVIRONMENT: RADIATION

Reuter-Stokes Inc: Computer model gamma radiation February 77

ENVIRONMENT: WASTE DISPOSAL

Consumers Power Co: Cardboard spacers mean 30% more waste per drum January 119
Sweden: The International Stripa Project for nuclear-waste disposal is launched in Sweden June 11

ENVIRONMENT: WATER POLLUTION

Cleveland Electric Illuminating has not yet met the 1977 clean-water standards, EPA says, and also failed to keep its agreement with EPA, which had given it a three-year grace period February 11
Southern California Edison: No design changes are needed for the water intake and discharge systems of the $2.4-billion San Onofre nuclear units 3 and 4 January 11
TVA: The snail darter, which held up TVA's Tellico Dam project may not be so rare after all May 11

F

FINANCE

Administration has testified against utility dividend reinvestment (S-141) at a hearing before the Senate Finance Subcommittee on on Savings, Pensions & Investment Policy June 13
Arkansas P&L: Government-required safety and environmental expenditures would go quickly into a utility's rate base in Arkansas, according to a new law passed by the state legislature May 13
California Council for Environmental & Economic Balance (CEEB) says generating costs of Pacific G&E, Socal Edison and San Diego G&E would be a lot lower if the state hadn't opposed construction of coal and nuclear plants in the 1970s (survey done by Hittman Associates) April 62
Charles River Associates Inc: Can TOC ease inflation pressures? March 44
Carolina P&L is charged with illegally redeeming about $45-million in first-mortgage bonds in 1978 to secure lower interest rates January 16
Richard W. Clarke & Co: Eight of ten utilities raise dividends February 47
Cleveland Electric Illuminating: Utility sells flosting-rate bonds January 58
Conference Board: Utility appropriations break record May 56
Connecticut L&P and Connecticut Yankee: FERC allows nuclear-decommissioning costs to be added to rate structures in two electric rate cases February 13
DOE's Energy Administration sharply reduced its estimate of federal aid to the commercial nuclear power industry since 1950 April 62
EEI: Interview with EEI's new chairman, Frank W. Griffith: The financial dilemma: Is there a way out? March 27
FERC: Diversify or deregulate? May 56
General Accounting Office report, which studied Carolina P&L, Florida P&L, Houston L&P, and two Minnesota G&T co-ops, concluded that regulatory requirements, delays, and uncertainties have increased utilities' operating costs and customers' rates during the past 10 years April 62
General Public Utilities filed suit in Superior Court against the Moorestown-based Bank of New Jersey, charging it with refusing to honor a financing agreement May 13
Hawaii: Utilities seek tax-exempt financing May 56
Houston L&P has been advised by Moody's Investor Service that its mortgage bonds and preferred stocks have been downgraded from double-A to single-A January 16
If all new capacity additions were exempt from regulation, utilities would no longer need to dilute stock and increase capital costs when financing new capacity June 13
International Brotherhood of Electrical Workers: Cost of living will be major '81 union issue March 20
Learning curve: A short course in utility finance May 45
McGraw-Hill: American business plans to hike capital spending by 12.3% in 1981 April 62
Montana Power: Canadians buy into Montana Power January 57
Northern States Power: Minnesota PUC denies NSP's application for recovery of the $10.9-million annual cost of amortizing the canceled Tyrone nuclear plant, challenging FERC on jurisdiction over the issue June 13
Portland GE: A bond referendum for public-power takeover of a small part of PGE's system has been upheld by a Columbia County (Ore) circuit court judge April 13
PS Co of Colorado must place in escrow until next December almost $10-million of revenues from the sale of power from the Fort St Vrain nuclear plant, while the station demonstrates commercial viability, says the PUC February 14
Reagan Administration plays down the role of the Economic Regulatory Administration (ERA) in the DOE fiscal-1982 budget April 11
Rep Richard L. Ottinger (D-NY) says the more he hears about utility financing and its problems, the more he favors a free market-place for power generation, and "let some survive and some die" May 11
SEC says commercial-bank officers won't be forbidden to sit on utility-holding company boards as long as banks don't issue a utility's commercial paper April 62
Shareholders have turned down various anti-nuclear proposals at utility stock-holder meetings through the US May 11
Statistical report (1981) April 73
TVA Chairman S. David Freeman calls for decontrol of electric rates as the only way to use vast US coal and uranium reserves in place of imported oil in the next two decades April 11
Salomon Brothers: Commissions ranked: Texas hits top April 61
University of Georgia: Higher earnings can lead to lower kWh prices January 109
Virginia Electric & Power: Ferc permits Vepco to list spent nuclear fuel as a liability rather than an asset, because reprocessing of spent fuel is not likely to be allowed in the near future June 17
Virginia Electric & Power: Increased earnings bring company officials a return of salaries that had been cut last June, plus a boost of up to 5% February 13
Wisconsin Citizens Utility Board is now opposed by a utility shareholder organization, the Wisconsin Utility Investors May 13
Wisconsin Utility Investors Inc is formed by stockholders with interests in a group of Wisconsin utilities March 16

FLUE GAS DESULFURIZATION

Idaho Power Co and Pacific Power & Light: Dry FGD technology: A case history (at Jim Bridger station in Wyoming) February 79
Alabama Electric Co-op and Peabody Process Systems: Co-op has good experience with FGD March 73

FOREIGN: CANADA

Ontario Hydro: Amperage-limiter activates negligent bill payers March 119
Ontario Utilities were called on to promote electricity's value, during a recent Canadian conference May 11

FOREIGN: FRANCE

French reactor gets applause from US group February 23
French breeder feels hard heel of economics January 29

FOREIGN: GERMANY

Kraftwerk Union: Largest gas turbine that KU ever made, rated at 125 MW is readied for shipment to the Walheim power station April 19

FOREIGN: ISRAEL

Breakthrough in solar energy technology will revolutionize solar energy systems throughout the world, according to scientists at Ben Gurion University, Israel February 14

FOREIGN: JAPAN

Japan Atomic Power Co is ordered to shut down its 357 MW Tsuruga nuclear plant for six months because it failed to report a series of radioactive spills June 11

FOREIGN: MEXICO

California PUC gives San Diego G&E the go-ahead to connect its electrical system with Mexico to pick up surplus power during the mid-1980s January 13
Mexico City and 16 central and southern states of Mexico had a three-hour blackout beginning about 7 a.m. (CST) Jan 15 February 14

FOREIGN: SPAIN

Iberduero, Spain's largest power company, suspends, and later resumes construction of a nuclear plant in the Basque area, following the kidnap and murder of the plant's chief engineer by guerrillas March 11

FOREIGN: SWEDEN

International Stripa Project for nuclear-waste disposal is launched in Sweden June 11
Swedish study finds that solar energy for heating water is more expensive than using electricity March 16

FOSSIL

1981 Capacity additions special report January 65

FUELS

Union Electric Co: Cut fuel cost by shifting fireball closer to scanner February 115

FUEL: COAL

Advanced Energy Dynamics Inc: Its proprietary mechanical coal-cleaning process could eliminate almost any need for flue-gas desulfurization for certain coals January 13
Ashland Oil: Two companies say they have found ways to keep coal-oil mixtures in suspension May 13

Deseret G&T: A fuel transportation system for Deseret G&T Co-op's 400-MW unit near Bonanza, Utah, will include a 35-mile electric railroad and a 3 1/2-mile covered conveyor February 11

Ebasco Services: Selecting an optimum-size coal-fired unit March 76

FERC studies utility-owned coal mines March 81

Interior Dept can require coal companies to submit reclamation information before being granted strip-mining permits from the states May 13

Milwaukee Railroad: Three electric utilities and four states join in a last-minute effort to save a 631-mile section of the Milwaukee RR which serves the Big Stone power plant in northeastern SD March 16

Montana: High court ponders Montana coal tax January 87

National Coal Assn: Coal production to gain 2.3% in 1981 February 80

National Coal Assn: Reports that US coal production will rise to 844-million tons in 1981, and that coal consumption will grow 4.8%, to 837-million tons February 9

New York Power Pool projects oil-to-coal conversion June 28

Niagara-Mohawk Power: Conrail begins operating the nation's longest tank-car unit train, from Albany, NY to N-M's tank farm at Oswego, a distance of 194 miles February 11

Oak Ridge National Laboratory: A technique to separate dry ground coal magnetically into its various components is accomplished by engineers of the fossil-energy program at ORNL June 15

Ohio PUC declines to allow Ohio Edison to pass on to its customers the cost of high-priced coal it is buying under long-term contract from three mines owned by Quarto Mining Co February 14

Pedco Environmental: Oil, not coal, is acid-rain culprit March 81

Reagan Administration appears determined to untie the knot around federal leases, with the first federal public lease sale in seven years made recently in northern Colorado, says Robert B. Atwater, senior vice president of Consolidation Coal Col June 15

South Dakota: Three utilities that own the 410-MW Big Stone power plant in SD consider buying the only rail line to the plant June 15

Strip mining and the utilities (special report) May 67

TVA suspends "indefinitely" shipments of non-union coal to its Paradise station, after a western Kentucky US district judge requested the agency to do so to avoid potential violence and bloodshed January 16

Tucson Electric Power: A proposed order by DOE would require Tucson Electric Power to use a mixture of coal plus natural gas or oil in four units at its Irvington station February 11

University of Tennessee's Space Institute: Coal is successfully burned in its first test run in an MHD generating unit January 11

Utah P&L: Beneficiation improves coal performance February 73

Utilities like switch to coal despite strike June 23

Washington Comment: Developments to watch: Two tier rates, captive coal, and visibility problem May 4

Western Coal Co: Initial steps have been undertaken in the liquidation of Western Coal Co January 87

World Coal Study strongly recommends increased coal production to keep pace with future energy demands March 15

FUEL: COAL SLURRY

Wyoming House of Representatives kills an attempt to place a three-year moratorium on the use of underground water from the Madison Formation for a coal-slurry pipeline to serve electric utilities in the Middle South March 15

Wyoming airs pros and cons of slurry line March 21

Wyoming: Preparation for construction of a 38-in. 1,400-mi coal slurry pipeline from Wyoming's Powder River Basin to Arkansas is going into the development stage May 13

FUEL: GASIFICATION

General Electric Co: New technique lets scientests see inside coal as it gasifies May 21

PS of New Mexico has picked D'Appolonia Consulting Engineers to aid in choosing which linkage technology should be used in utility's study of underground coal gasification to generate electricity March 81

FUEL: GASOLINE

Cincinnati G&E: Dual-fuel program expands to beat gasoline problems January 119

FUEL: OIL

Ashland Oil and Republic Steel: Say they have found ways to keep coal and oil mixtures in suspension May 13

New York Power Pool projects oil-to-coal conversion June 28

Pacific G&E gives up its plan to build a $10-million oil-receiving marine terminal to serve its 2,000-MW Moss Landing plant, citing regulatory delays and local opposition as the reasons January 16

Pedco Environmental: Oil, not coal, is acid-rain culprit March 81

FUEL: PEAT

DOE awards Wheelsbrator-Frye two contracts totaling $4.5-million--one aimed at converting peat into a practical low-cost fuel and the other at accelerating development of energy from garbage January 16

Western Fuels Assn signs contract with NC Electric Membership Corp to study the use of peat as a boiler fuel January 16

FUEL: URANIUM

General Accounting Office report concludes the US should avoid undue reliance on its uranium-enrichment capabilities as a nonproliferation tool, because other nations now have uranium enrichment facilities, so the concept has become outdated and unrealistic January 11

Sacramento Municipal Utility District buys 1-million lb of uranium January 87

Westinghouse resolves the last of 17 uranium supply lawsuits with Lilco May 11

FUELS OUTLOOK

High court ponders Montana coal tax; SMUD buys 1-million lb of uranium January 87

Feds say coal tax cools production; Piped coal has water problems; Coal production to gain 2.3% in 1981; Figures on alternative fuels released February 80

Utilities advance UCG state of the art (PS of New Mexico, Texas Utilities); Oil, not coal, is acid-rain culprit; FERC studies utility-owned coal mines March 81

US coal industry and the United Mine Workers of America have joined forces in requesting that new coal-conversion legislation address the financial plights of utilities and eliminate regulatory constraints on the use of coal; Outlook for US coal production looks brighter primarily due to prospects in the synfuels industry, the export market, and reconversions to coal, according to NCA; Electricity from wind turbines will cost 75 to 80 mills/kWh compared with about 28 mills/kWh for new coal-fired plants; A 30% expansion of the US precipitator industry from 1980 to 1985 is predicted by the McIlvaine Co April 120

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GENERATION: CONVENTIONAL (COMBUSTION TURBINE)

Capacity additions special report January 65

Editorial: If you slim generation, better fatten transmission June 3

Statistical report April 73

Technical reference: 5th annual June 41

GENERATION: CONVENTIONAL (HYDRO)

Administration opposes accelerated expansion of hydroelectric generating facilities at 12 existing federal dams June 11

Capacity additions special report January 65

Consolidated Edison ceases construction on Sto King Mountain pumped storage plant ending its 17-yr dispute with environmentalists and government agencies over preservation of Hudson River marine life February 9

Corps of Engineers and Ace Crane & Engineering: Crane, rake to clean intake screens at high dam January 30

Correction for capacity additions special report March 16

Editorial: If you slim generation, better fatten transmission June 3

FERC: Interest in small hydro is rising May 23

Pacific G&E: Seven miners fell 300 ft to their deaths after the collapse of scaffolding in a 1,000 ft shaft at PG&E's Helms pumped storage plant February 9

Statistical report April 73

Technical reference (5th annual) June 41

TVA innovation licks oxygen worry in lakes March 23

GENERATION: CONVENTIONAL (STEAM)

Cincinnati G&E and Dayton P&L: The 600-MW East Bend coal-fired unit is slated to go into full operation next month February 14

Condensers in series work well April 119

Ebasco Services: Selecting an optimum-size coal-fired unit March 76

Editorial: If you slim generation, better fatten transmission June 3

General Electric Co:Designing double-rehest turbines April 115

GPU: Awaits DOE approval to conduct a one-year feasibility study on the possibility of constructing a 200-MW coal-fired turbine April 9

New York Power Pool projects oil-to-coal conversion June 28

Oregon: Licensing to build a base-load steam plant in Oregon now requires proof that the plant is needed and that there is no alternative February 9

Southern California Edison and Pacific G&E: File petitions to withdrew their original applications with the California PUC for buying into the Allen-Warner Valley Energy System project in Nevada and Utah March 11

Pacific G&E will not seek authority from the California PUC to participate in building the $5-billion Harry Allen-Warner Valley coal-fired project in Nevada and Utah April 9

Pacific G&E and Southern California Edison: PG&E Will perticipate conditionally in a $275-million coal-gasification plant to be located at Socal Edison's Cool Water generating station, near Daggett June 11

Southern California Edison: California Energy Commission committee selects Ivanpah, a site in the Mojave Desert, as the best location for SoCal Edison's 1,500-MW coal-fired plant February 9

Statistical report April 73

Technical Reference: 5th annual June 41

Utah P&L: Beneficiation improves coal performance February 73

GENERATION: NONCONVENTIONAL (BATTERIES)

Battelle Columbus study (proposed) will identify current and project energy-storage technologies for use in residential, commercial, office, and industrial applications April 14

Public Service E&G: Battery Energy Storage Test (BEST) Facility starts up June 25

Editorial: If you slim generation, better fatten transmission June 3
Statistical report April 73
Technical reference (5th annual) June 41

GENERATION: NONCONVENTIONAL (GEOTHERMAL)

Editorial: If you slim generation, better fatten transmission June 3
FERC issues a final rule that exempts qualifying geothermal facilities from some federal regulations May 15
Statistical report April 73
Technical reference (5th annual) June 41

GENERATION: NONCONVENTIONAL (MHD)

DOE: First significant generation of electricity was achieved last month at the Dept of Energy's $40-million MHD test facility in Butte, Montana June 11
Editorial: If you slim generation, better fatten transmission June 3
Statistical report April 76
Technical reference (5th annual) June 41
University of Tennessee's Space Institute: Coal is successfully burned in its first test run in an MHD generating unit January 11

GENERATION: NONCONVENTIONAL (NUCLEAR)

Editorial: If you slim generation, better fatten transmission June 3
Panel/console units help protect nuclear plants March 79
Reuter-Stokes Inc: Computer model gamma radiation Feburary 77
Sacramento Municipal Utility District: Board of directors orders the staff to study the purchase of power from Arizona PS's Palo Verde nuclear plant March 13
Statistical report April 76
Technical reference (5th annual) June 41

GENERATION: NONCONVENTIONAL (SOLAR)

California: Low-interest, long-term financing by California utilities for single-family homes converting gas-fired water heaters to solar is going great guns, but similar offers for all-electric homes and multifamily homes are moving far more slowly May 16
Editorial: If you slim generation, better fatten transmission June 3
EPRI: A group of 13 electric utilities have agreed to participate in an advanced solar/thermal power-generation experiment being funded by EPRI June 11
EPRI survey of 1980 electric utility solar activity shows that 36 utilities participated in 859 projects May 16
Israel: A breakthrough in solar-energy technology will "revolutionize solar energy systems throughout the world," according to scientists at Ben Gurion University in Israel February 14
Los Angeles Dept of Water & Power will participate in developing a 210-kW solar-pond demonstration project June 11
Seattle City Light has established a new position of solar technical advisor in its Conservation & Solar Division January 16
Senate: Purchase of solar-energy firms by large utilities, oil companies, and aerospace firms worries a Senate subcommittee January 16
Southern California Edison: Buys solar power from customer February 22
Southern California Edison: Works begins on 10-MW solar-tower power plant (Solar 1) April 21
Southern California Edison: Gets new type of solar panel June 23
Statistical report April 76

Swedish study finds that solar energy for heating water is more expensive than using electricity March 16
Technical reference (5th annual) June 41
TVA plans to sell 33 experimental solar homes at market prices and a low mortgage rate, in an effort to start collection of data on solar living June 13

GENERATION: NONCONVENTIONAL (WIND POWER)

Blue Ridge Membership Corp: The 2-MW wind generator on Howard's Knob, near Boone, NC, is expected to be modified in the near future to cut the noise of its 100-ft rotor blades January 11
Editorial: If you slim generation, better fatten transmission June 3
Electrical World looks at wind-turbine generator systems (special report) May 97
Southern California Edison will buy 25 MW of wind-powered electricity output from 50 generators to be built over the next four years near Palm Springs by two other companies June 11
Statistical report April 76
Technical reference (5th annual) June 41
Utah: Energy from wind turbines is expected to cost more than from coal-fired plants March 13
US Water & Power Resources Services: Electricity from wind-turbines will cost 75 to 80 mills/kWh compared to 28 mills/kWh for coal-fired plants April 120

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INSULATORS

West Kootenay P&L: 'Pseudo-megger' quickly pinpoints bad insulators February 110

INTERCONNECTION

Florida P&L and Jacksonville Electric Authority have contracted to get as much as 1,400 MW of coal-fired generation capacity from the Southern Co's four operating utilities in the next 10 years April 14
GPU subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant at Windsor via a wheeling arrangement with Detroit Edison, Consumers Power, Toledo Edison, and CEI April 14

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LABOR

International Brotherhood of Electrical Workers: Cost of living will be major '81 union issue March 20
Northern Indiana PS: 8 month strike comes to an end after United Steelworkers of America ratify a settlement proposed by a federal mediator March 16
Utilities like switch to coal despite strike June 23

LEARNING CURVE

How to avoid job-related lawsuits January 49
How to be literate and nonsexist April 48
How to dress like an executive April 47
How's your productivity IQ: A test April 47
Increasing office productivity March 39
A short course in utility finance May 45

LEGISLATION

Energy chief sweats out House hearing April 20
Lobbying: What's it all about? (special report) February 57
Reagan team takes aim at the Energy Act April 21
Washington Comment: The new energy czar--Interior Secretary: James Watt June 4

LITIGATION

Alabama Power agrees in a consent order to pay about $2.2-million in damages to as many as 1,439 blacks and women in settlement of a 1974 job-bias suit May 13
Charges against 15 antinuclear demonstrators were dismissed when it was established that one was a police informant February 11
EPA's new rules tightening standards around scenic areas in the West and elsewhere are being challenged in the US Circuit Court of Appeals in Washington, DC, by the Mountain States Legal Foundation January 15
EPA's new-source performance standards have been upheld by the US District Court of Appeals for the District of Columbia June 13
Interior Dept can require coal companies to submit reclamation information before being granted strip-mining permits from the states May 13
Justice Dept is attempting to make it more difficult for environmental groups to sue to block development authorized by the federal government June 13
Portland GE and Bechtel: Federal appeals court judge puts a gag rule on an out-of-court settlement of a suit involving $183-million in damages at the Trojan nuclear plant May 13
GPU and its subsidiaries ask NRC to cough up $4-billion in damages for not doing a proper job of regulation before the TMI accident January 15
GPU files suit in Superior Court against the Moorestown-based Bank of New Jersey, charging it with refusing to honor a financing agreement May 13
Green Mountain Power: Vermont Supreme Court has upheld Green Moutain Power's appeal to overturn a decision issued last April by the state's Public Service Board April 13
Illinois: Is fighting a test suit that seeks to determine the constitutionality of a new state law banning the shipment to and storage of spent nuclear fuel at a Morris (Ill) nuclear-waste facility February 11
Indiana & Michigan Electric Co: US Supreme Court refuses to review an antitrust verdict against I&ME February 11
Kentucky Utilities is accused by the Justice Dept of monopolizing wholesale sales in parts of the state April 13
Mississippi P&L: Mississippi federal district court rules Purpa void and unconstitutional March 11
Niagara-Mohawk Power: After a six-year fight against efforts of the Town of Massena to establish its own municipal power system, N-M has conceded February 11
Portland GE: A bond referendum for public-power takeover of a small portion of PGE's system has been upheld by a Columbia County (Ore) circuit court judge April 13
Rochester G&E: US Supreme Court dismisses a RG&E appeal on advertising regulations April 13
South Carolina E&G: South Carolia PSC exceeded its authority when it ordered SCE&G to refund $7-million plus interest to retail customers, the state Supreme Court says January 15
Tennessee: A US district judge in Nashville, Tenn, signs a decree officially ending the nation's longest-fought air-cleanup battle (TVA-EPA) February 11
Virginia Electric & Power: North Carolina Supreme Court declines to review an appeals court decision overturning a Utilities Commission order directing Vepco to refund $8-million to customers, because of alleged poor management decisions that increased generating costs and rates January 16
Washington Water Power and one of its vice presidents are indicted by a federal grand jury in connection with alleged payoffs to state legislators February 11
Westinghouse: Resolves the last of 17 uranium lawsuits, which began in 1975 May 11

LOAD MANAGEMENT

Load-management test marks introduction of TWACS system January 129

LOBBYING

Lobbying: What's it all about? (special report) February 57

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MAINTENANCE

Consumers Power: Scrap-built hydraulic test bench is saving thousands February 115

Corps of Engineers and Ace Crane & Engineering: Crane, rake to clean intake screens at high dam January 30
General Electric: Nuclear 'look-alike' enhances M&R training Feburary 109
Uniroyal: Maintenance tips on piping expansion joints May 152
United Power Assn/Cooperative Power Assn: Copter-hung basket for static line work above hot lines March 121

MANAGEMENT

Consolidated Edison Co of NY: Three days on, three days off is being tried for plant crews April 171
EEI: Interview with new chairman, Frank W. Griffith: The financial dilemma: Is there a way out? March 27
EEI: Study of the potential for business diversification in the investor-owned electric utility industry is under way by EEI's Regulatory Policy Analysis Div May 13
Higher education and utility self-interest May 33
Learning curve: How to avoid job-related lawsuits January 49
Learning curve: How to be literate and nonsexist April 48
Learning curve: How to dress like an executive April 47
Learning curve: How's your productivity IQ? A test April 47
Learning curve: A short course in utility finance May 45
NERA: Can utilities afford conservation? February 29
Nuclear Safety Oversight Committee says that not enough attention has been given to assuring uniform high-quality engineering competence at top-management levels June 11
Oklahoma G&E: Management plan boosts T&D crew effectiveness by 40% April 169
Mount St Helens: 'The mountain just blew. Get out of there!' January 39

METERS

California: A proposed joint program by two California utilities, which would combine meter-reader work in the field, draws mixed reviews May 15
San Diego G&E: Says it will file charges for meter tampering whenever a case warrants prosecution January 13

MOBILE EQUIPMENT

Florida Power Corp: Pneumatic mole saves Florida lawns, 5/6 of job cost March 122
Mississippi P&L: One tractor handles coal feeding for 500-MW unit May 157

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NUCLEAR

Atomic Industrial Forum survey shows nuclear electricity programs outside the US on the increase in 1980, with orders for new plants abroad more than doubling those of the previous year April 9
Capacity additions special report January 65
Computer model gamma radiation (Reuter-Stokes Inc) February 77
Consolidated Edison says it will dispute an NRC ruling that levied a $210,000 fine against the utility for allegedly failing to take measures to avoid the 100,000-gal water leak at Indian Point 2 last Oct 17 January 11
Consumers Power: NRC proposes a $38,000 fine against Consumers Power for violations involving safety-related ventilating systems at its Midland plant, currently under construction February 9
DOE: Concludes that the best way to dispose of radwastes permanently is to place them in caverns mined within stable rock formations at depths of 2,000 to 3,000 ft February 9
DOE's Energy Administration sharply reduced its estimate of federal aid to the commercial nuclear-power industry since 1950 April 62
DOE: A final report on government subsidies to the nuclear industry downgrades by $24.2-billion the original draft report April 9
DOE is hindering development of central-station power-plants, especially nuclear, says a House subcommittee report March 11
DOE: Last year, for the first time in US history, DOE reports, the nation's utilities generated more electricity with nuclear than with oil May 11
EPRI: Potential for public exposure to radioactivity from a nuclear-power accident may have been "grossly overstated" in previous studies, according to EPRI officials, in recent testimoney presented to NRC January 11
Evidence suggests that the radiological consequences of some nuclear accidents may be much less than previously assumed (Congressional Nuclear Safety Oversight Committee report to President Carter) February 9
FERC allows nuclear decommissioning costs to be added to rate structures in two electric rate cases, involving Connecticut L&P and Connecticut Yankee February 15
Florida P&L: Is fined $40,000 by NRC for failure to have an operator at the controls of Turkey Point Unit 3 while it was operating April 9
A 4.2-lb battery-powered minicomputerized detector can be used at a nuclear or other high-security facility to search vehicles for concealed people or animals March 11
General Accounting Office report concludes the US should avoid undue reliance on its uranium-enrichment capabilities as a nonproliferation tool, because other nations now have uranium-enrichment facilities, so the concept has become outdated and unrealistic January 11
General Electric: Nuclear 'look-alike' enhances M&R training February 109
General Electric: NRC reports that GE's BWRs may have a flaw that could cause a leak in the cooling system; GE challenges the report and the way it was released May 11
Japan Atomic Power Co is ordered to shut down its 357-MW Tsuruga nuclear plant for six months because it failed to report a series of radioactive spills June 11
Louisiana will need nuclear power and coal generation in the next decade, or soon after, when the state's oil and gas production begins to level off or decline February 9
Man can resolve the technical and institutional difficulties "that now beset nuclear energy" says Alvin Weinberg, director of the Institute for Energy Analysis March 11
Niagara Mohawk: NRC proposes a $225,000 fine against N-M and orders the utility to bar a former site superintendent at its Nine Mile Point nuclear plant from involvement in any of the company's nuclear activities January 11
Niagara Mohawk: NRC says N-M agreed to pay a $215,000 fine on charges that it submitted inaccurate report on safety equipment at its Nine Mile nuclear plant April 9
NRC: Simulators to train nuclear-plant operators are not being used to their full potential March 11
Nuclear Safety Oversight Committee says that not enough attention has been given to assuring uniform high-quality engineering competence at top-management levels June 11
Pacific G&E: Has withdrawn its application to restart the 63-MW Humboldt Bay nuclear plant February 9
Panel/console units help protect N-plants March 79
Portland GE and Bechtel: Federal appeals court judge puts a gag rule on an out-of-court settlement of a suit involving $183-million in damages at the Trojan nuclear plant May 15
PS of Colorado: Must place in escrow until next December almost $10-million of revenues from the sale of power from the Fort St Vrain nuclear plant, while the station demonstrates commercial viability, says the PUC February 14
Shareholders have turned down various antinuclear proposals at utility stockholder meetings throughout the country May 11
Spain: Iberduero, Spain's largest power company, suspends, and later resumes construction of a nuclear plant in the Basque area, following the kidnap and murder of the plant's chief engineer by guerrillas March 11
Sweden: International Stripa Project for nuclear-waste disposal is launched June 11
Westinghouse: Resolves the last of 17 uranium-supply lawsuits which began in 1975 with Lilco May 11

NUCLEAR: BREEDER

Clinch River: The Administration is expected to approve from $180-million to $225-million for the Clinch River fast breeder in the fiscal 1982 budget March 11
French reactor gets applause from US group (EPRI) February 23
French breeder feels hard heel of economics January 29
First certified nuclear cogeneration facility in the US is Breeder Reactor II located at Argonne National Laboratory's Idaho National Engineering Laboratory April 9
House & Senate committeess: Opposite actions taken by House & Senate committees set the stage for a long-drawn-out battle over the breeder reactor June 11

NUCLEAR: LICENSING

Alabama Power: NRC authorizes the director of nuclear operations, Harold Denton, to license Alabama Power's Farley Unit 2 to operate at full power April 9
Duke Power: A license to load fuel and test at zero power is issued for Duke Power's William B. McGuire Unit 1 March 11
Houston L&P: NRC Atomic Safety & Licensing Board proposes to close some sessions of its hearings on whether HL&P should get a license to operates its 1,250-MW South Texas nuclear plant June 11
NRC: New nuclear plants could load fuel and go through testing at 5% of capacity before obtaining an operating license, according to proposed NRC standards April 9
Pacific G&E asks NRC to cut through red tape and take direct action on the licensing of Diablo Canyon April 9

NUCLEAR: THREE MILE ISLAND

Editorial: TMI: Charitable cause--or a laboratory? February 3
GPU and its subsidiaries ask NRD to cough up $4-billion in damages for not doing a proper job of regulation before the TMI accident January 15
GPU hires a former Ohio Congressman, Thomas J. Ashley, to develop a financial plan for the cleanup of the TMI-2 nuclear reactor March 16
GPU: A new nuclear safety advisory board of top scientists is formed to advise GPU on TMI-2 cleanup, waste disposal, and decommissioning or recovery April 9
NARUC group may air TMI with Reagan February 21
Over-pressurization resulting from a TMI-2 type accident can be controlled and the system recovered by operators, it was indicated in the eight loss-of-fluid test (LOFT) conducted in Idaho June 11
President Carter's Nuclear Safety Oversight Committee, in its first report, says NRC's handling of the TMI nuclear accident "was at best ineffective and at worst dangerous" January 11
TMI cleanup is imperative, says NRC staff May 25

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OUTAGES

Mexico City and 16 central and southern states of Mexico had a three-hour blackout beginning about 7 a.m. (CST) on Jan 15 February 14
Utah P&L: Sudden fire triggers wide blackout February 20
Utah P&L: Utah PSC analyzes Jan 8 blackout June 26

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PEAK SURVEY

Winter peak survey: Severe winter bumps peak up 4.8% May 123

PEOPLE

Atomic Energy Commission: David E. Lilenthal, 81, first chairman of the AEC, died of a heart attack in New York on Jan 15 February 14
Bechtel Power: W. Kenneth Davis is appointed Deputy Secretary at DOE--the No. 2 post at the department June 16
Bonneville Power Administration: Peter T. Johnson, an Idaho businessman, has been appointed head of BPA June 16
TVA: Charles (Chili) Dean Jr, general manager of Knoxville Utilities Board, is expected to be confirmed next week by the Senate as chairman of TVA June 16
TVA's third director: A tough gadfly April 22
Washington Comment: The new energy czar: Interior Secretary James Watt June 4

POLES

Houston L&P: Fiberglass poles may offer alternative choice March 120
Toledo Edison: Signs on utility poles can endanger climbing crews February 114

POLITICS

Washington Comment: A friend on the Potomac February 4
Washington Comment: Toward a free market March 4

POWER DELIVERY

Allegheny Power Service Corp: Six-phase protection hurdle cleared January 95
Cleveland Electric Illuminating: Stretch your substation transformer rating January 98
Computers: Facilities management by computer graphics (special report) March 51
Consolidated Edison Co of NY: Test set finds faults fast and saves dollars May 121
Delmarva P&L: Safety feature added to feeder protection February 95
General Electric: Stop subsynchronous T/G-shaft damage April 129
Niagara Mohawk: Fiber-optic link breaks data logjam February 89
Pacific G&E: Automate feeders to improve relisibility January 93
Puget Sound P&L: New technique pinpoints fault locations May 119

POWER SUPPLY

NERC: For summer: Most systems seem adequate June 26
New Mexico: The cabinet of New Mexico Gov Bruce King is studying the sales of surplus power out-of-state by utilities and its effects on state residents February 14
Northwest Power Planning Council, created by the recent Pacific Northwest Power Act, gets right down to business by forcing the Bonneville Power Administration to postpone deadlines on power-supply contracts until the council can review them June 16
Sacramento Municipal Utility District board of directors orders the staff to study the purchase of power from Arizona PS's Palo Verde nuclear plant March 13
TVA faces the lions in Washington May 24

PRECIPITATORS

Alabama Electric Co-op: Has good experience with FGD March 73
Pacific P&L and Idaho Power: Dry FGD technology: A Case history February 79
Southern Co: Chemicals raise ESP efficiency January 32

PROTECTION

Allegheny Power Service: Six-phase protection hurdle cleared January 95
Delmarva P&L: Safety feature added to feeder protection February 95

PUBLIC POWER

Jersey Central P&L: A state takeover of JCP&L was recommended by a consultant who was hired by the Board of Public Utilities following the TMI accident May 16
Oregon: The 1981 Oregon legislature is again pondering a state power authority, as permitted in Article XI-D of the state's constitution May 16
Pacific P&L: Benton County (Ore) residents, who currently buy electricity from PP&L, rejected a proposal to authorize a $60,000 one-time levy to study the prospects of forming a public utility district March 16
Portland GE: A bond referendum for public-power takeover of a small part of PGE's system has been upheld by a Columbia County (Ore) circuit court judge April 13

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RAILROADS

Metro railways help make cities livable May 135
Milwaukee Railroad: Three electric utilities and four states joint in a last-minute effort to save a 631-mi section of the Milwaukee Railroad which serves the Big Stone power plant in northeastern SD March 16
Milwaukee Railroad: Three utilities that own the 410-MW Big Stone power plant in South Dakota consider buying the only rail line to the plant June 15
Utilities look skeptically at rail deregulation January 27

RATES

Arkansas P&L: Government-required safety and environmental expenditures would go quickly into a utility's rate base in Arkansas, according to a new law passed by the state legislature May 13
Bonneville Power Administration: Proposes a 53% wholesale rate increase for the agency's existing preference customers, effective July 1 March 15
Cincinnati G&E: DOE;s drive for marginal-cost pricing and other rate-structure changes is running into strong opposition from CG&E after being turned aside earlier by the Louisiana PSC March 13
Consolidated Edison Co of NY: New York PSC grants Con Edison a 15.5% rate increase--the full amount the utility requested last April April 11
Consolidated Edison Co of NY: Proposes discount electric rates designed to help create jobs in economically depressed sections of the South Bronx & Brooklyn May 15
Dayton P&L: Ohio PUC finally spells out most conditions for an experimental residential time-of-day tariff for Dayton P&L, which has been pending since 1978 June 16
DOE-sponsored study of lifeline rates suggests that such rates may be losing their appeal as other public-assistance programs are developed to help targeted customer groups pay their utility bills January 13
Editorial: Service standards are negotiable (Jacksonville Electric Authority and Southern California Edison) April 3
How to use rates when saving energy February 99
Illinois Power: FERC offers Illinois Power a two-tier return-on-common-equity procedure in its latest wholesale rate case April 11
Massachusetts: The energy-audit program in Massachusetts is facing a great deal of popular opposition, as a result of listing the ratepayer's contribution to the program as a separate line item on monthly bills May 16
Naruc repeats need for total rate design January 29
Power Authority of the State of NY chairman calls attempts by municipal systems to reallocate authority power "indecent and just plain unfair" January 13
Purpa ruling gets close attention at Naruc April 19
San Diego G&E: A survey of more than 130 utilities, serving 70% of all residential customers in the US, shows that average cost per kWh varies from 1.48 cents to 11.8 cents--a difference of 800% March 13
Some 47 investor-owned utilities received approval for rate increases totaling $1.2-billion during the third quarter of 1980 January 13
TVA Chairman S. David Freeman calls for decontrol of electric rates as the only way to use vast US coal and uranium reserves in place of imported oil in the next two decades April 11
Union Electric: To compensate for rate-design changes implemented by UE last May, the Missouri PSC has approved plans for altering the charges to large general service customers April 11
Washington Comment: Developments to watch: Two-tier rates; captive coal; and visibility problems May 4

REGULATION

Editorial: Can privately owned utilities survive? March 3
Editorial: Consumer groups are not consumers (Consolidated Edison and Central Hudson G&E) May 3
FERC issues a final rule that exempts qualifying geothermal facilities from some federal regulations May 15
Florida PSC directs its staff to try again to develop a rule requiring utilities to adopt policies intended to prevent conflicts of interest on the part of their employees January 13
General Accounting Office report, which studied Carolina P&L, Florida P&L, Houston L&P and two Minnesota G&T co-ops, concluded that regulatory requirements, delays, and uncertainties have increased utilities' operating costs and customers' rates during the past 10 years April 62
General Accounting Office reports that four utilities have spent $1.4-billion to meet regulations issued by eight federal and various state agencies during the past decade at a time when may utilities have been financially hard-pressed April 11
Idaho Power proposes a sliding-scale charge based on service-entrance size, in an effort to discourage use of electricity in its service area January 13
Iowa: Classroom material sponsored by Iowa's utilities has been judged biased in favor of the industry by a state sponsored review panel, which recommended that it be banned from formal presentation at upcoming seminars January 13
Iowa State Commerce Commission starts rule-making to require service reconnects should cold weather return after a period of mile winter weather May 13
Kentucky: An executive order recombining Kentucky's Regulatory Commission and its Utility Regulatory Commission into a single full-time agency has been signed by Governor John Brown Jr January 13
Look at regulation and its effect on customer bills May 139
Oregon investor-owned utilities are ordered to collect a $400/kW hookup fee for new electric space- and water-heating resistance load added to their systems beginning May 1 February 13
Oregon PUC Commissioner John Lobdell suspends his order calling for a system expansion charge on new electric space and water heating hookups until the legislature acts on a bill that would ban electric space-heating statewide where natural gas is available April 11
Purpa: Cogeneration: Will it grow or will it slow? April 24
Purpa: Mississippi Purpa ruling is dissected June 24
Purpa ruling gets close attention at Naruc April 19
Reagan Administration plays down the role of the Economic Regulatory Administration in the DOE fiscal-1982 budget April 11
Regulatory reform bill that would amend the Administrative Procedure Act by requiring agencies to consider the economic impact of proposed or final major rules is strongly opposed by the ICC, SEC, and FCC May 13
Texas: Commissions ranked: Texas hits top April 61
Utilities look skeptically at rail deregulation January 27
Washington Comment: The high cost of regulation April 4

RESEARCH

EPRI: A new research facility designed to maintain the safety and improve the reliability of power plants has been dedicated

in Charlotte, NC April 14
EPRI plans to build and operate a $7-million research facility to reduce transmission-line costs and improve reliability April 14
Research Cottrell and Ion Physics Co: A laboratory demonstration of high-energy electron-beam scrubbing of flue gases containing SO_2 and NO_x successfully converted these gases into particulates through electron-beam bombardment April 14

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SAFETY

Florida P&L lineman died when the fiberglass boom of a cherry picker failed during routine barehand training on an energized 500-kV transmission line January 16
Pacific G&E: Seven miners fell 300 ft to their deaths after the collapse of scaffolding in a 1,000-ft shaft at Helmps pumped storage plant February 9
Panel/console units help protect nuclear plants March 79
Toledo Edison: Signs on utility poles can endanger climbing crews February 114
Union Electric: Shop-built firehouse re-reeler saves 75% of re-roll time February 115

STATISTICS

Atomic Industrial Forum: Survey shows nuclear electricity programs outside the US on the increase in 1980 with orders for new plants doubling those of the previous year April 9
Capacity additions: 1981 special report January 65
Statistical report (1981 special report) April 73
Statistical report: correction June 16
Winter peak survey: Severe winter bumps peak up 4.8% May 123

SWITCHING

Northwest Iowa Power Co-op: Hydraulics for remote pole-top switching May 151

SYSTEM ENGINEERING

Southern Company Services: Combine under-frequency and load-shed solutions February 93
Winter peak survey: Severe winter bumps peak up 4.8% May 123

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TAXES

Hawaii: Utilities seek tax-exempt financing May 56

TESTING

Assn of Missouri Electric Cooperatives: Co-op group implements area-wide mobile testing May 155
EPRI: Electric-field tests on pigs may be inconclusive June 27
EPRI: Valves for PWRs to undergo safety testing March 19

TRANSFORMERS

Cleveland Electric Illuminating: Stretch your substation transformer rating January 98
Consolidated Edison Co of NY: Soap, ingenuity, teamwork move 455-ton transformer February 112
Pennsylvania P&L: Gas cartridge operates transformer protector March 117
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BLUE RIDGE MEMBERSHIP CORP: The 2-MW wind generator on Howard's Knob is expected to be modified in the near future to cut the noise of its 100-ft rotor blades January 11

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COMMONWEALTH EDISON: Shareholders have turned down various antinuclear proposals at utility stockholder meetings throughout the country May 11

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CONNECTICUT YANKEE: FERC allows nuclear-decommissioning costs to be added to rate structures in two electric rate cases, involving Connecticut L&P and Connecticut Yankee February 13

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CONSOLIDATED EDISON CO OF NY: NY PSC grants Con Edison a 15.5% rate inerease--the full amount the utility requested last April April 11

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CONSUMERS POWER: Increasing office productivity March 39

CONSUMERS POWER: NRC proposes a $38,000 fine against Consumers Power for violations involving safety-related ventilating systems at its Midland plant, currently under construction February 9

CONSUMERS POWER: Scrap-built hydraulic test bench is saving thousands February 115

COOPERATIVE POWER ASSN: Copter-hung basket for static line work above 'hot' lines March 121

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DELMARVA P&L: Safety feature added to feature protection February 95

DESERET G&T CO-OP: A fuel-transportation system for Deseret G&T's 400-MW unit near Bonanza, Utah, will include a 35-mile electric railroad and a 3½ mile covered conveyor February 11

DETROIT EDISON: GPU subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant at Windsor via a wheeling arrangement with Detroit Edison, Consumers Power, Toledo Edison and CEI April 14

DRAVO UTILITY CONSTRUCTORS INC: Otter Tail Power will build a 135-MW coal-fired cogeneration facility near Jamestown, ND February 9

DUKE POWER CO: A license to load fuel and test at zero power is issued for Duke Power's William B. McGuire Unit 1 March 11

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DUQUESNE LIGHT CO: Copter extends its use on utility line projects February 113

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EPRI: Electric-field tests on pigs may be inconclusive June 27

EPRI: French reactor gets applause from US group February 23

EPRI: A group of 13 electric utilities have agreed to participate in an advanced solar/thermal power-generation experiment being funded by EPRI June 11

EPRI: Waru repeats need for total rate design January 29

EPRI: A new research facility designed to maintain the safety and improv the reliability of power plants has been dedicated in Charlotte, NC April 14

EPRI: Plans to build and operate a $7-million research facility to reduce transmission-line cost and improve reliability April 14

EPRI: Potential for public exposure to radioactivity from a nuclear-power accident may have been "grossly overstated" in previous studies, according to EPRI officials in recent testimony presented to NRC January 11

EPRI: Selective catalytic reduction (SCR) with ammonia has achieved significant progress in treating NO_x emissions from coal fired boilers May 11

EPRI: Survey of 1980 electric utility solar activity shows that 38 utilities participated in 839 projects May 16

EPRI: Three-year experiment on the effects of high-strength electric fields on large mammals has produced inconclusive results May 11

EPRI: Valves for PWRs to undergo safety testing March 19

ENERGY SYSTEMS CO: EPA grants two companies the first authorizations to incinerate PCBs March 13

ESSEX CHEMICAL: Philadelphia Electric has reached agreement with Essex Chemical and Allied Chemical to construct SO_2 regeneration facilities March 13

ESSEX CO: 1981 capacity additions report's NPCC hydroelectric section inadvertently listed Lawrence Units 1 and 2 as owned by City of Lawrence, Mass. The project is, however, a limited partnership between Lawrence Hydroelectric Associates and EG&G and a general partnership with Essex Co March 16

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FLORIDA POWER & LIGHT: Is fined $40,000 by NRC for failure to have an operator at the controls of Turkey Point Unit 3 while it was operating April 9
FLORIDA POWER & LIGHT: And Jacksonville Electric Authority have contracted to get as much as 1,400 MW of coal-fired generation capacity from the Southern Co's four operating utilities in the next 10 years April 14
FLORIDA POWER & LIGHT: Lineman died when the fiberglass boom of a cherry picker failed during routine barehand training on an energized 500-kV transmission line January 16
FLORIDA POWER & LIGHT: Shareholders have turned down various antinuclear proposals at utility stockholder meetings throughout the country May 11
FLORIDA POWER & LIGHT: Three incidents of sabotage, two on FP&L substations and one on a Fort Pierce Utilities substation, occurred simultaneously on March 28, causing an estimated $2.2-million in damages May 16
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GENERAL ELECTRIC: Designing double-reheat turbines April 115
GENERAL ELECTRIC: Interior storm windows save energy, money April 150
GENERAL ELECTRIC: New technique lets scientists see inside coal as it gasifies (CAT scan) May 21
GENERAL ELECTRIC: Nuclear 'look-alike' enhances M&R training February 109
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GENERAL PUBLIC UTILITIES: And its subsidiaries ask NRC to cough up $4-billion in damages for not doing a proper job of regulation before the TMI accident January 15
GENERAL PUBLIC UTILITIES: Awaits DOE approval to conduct a one-year feasibility study on the possibility of constructing a 200-MW coal-fired turbine April 9
GENERAL PUBLIC UTILITIES: Files suit in Superior Court against the Moorestown based Bank of New Jersey charging it with refusing to honor a financing agreement May 13
GENERAL PUBLIC UTILITIES: Hires a former Ohio congressman, Thomas J. Ashley, to develop a financial plan for the cleanup of the TMI-2 nuclear reactor March 16
GENERAL PUBLIC UTILITIES: A new Nuclear Safety Advisory Board of top scientists is formed to advise GPU on TMI-2 cleanup, waste disposal, and decommissioning or recovery April 9
GENERAL PUBLIC UTILITIES: Subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant at Windsor via a wheeling arrangement with Detroit Edison, Consumers Power, Toledo Edison, and CEI April 14
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GIBBS & HILL: Metro railways help make cities livable May 135
GREEN MOUNTAIN POWER CORP: Vermont Supreme Court has upheld GMP's appeal to overturn a decision issued last April by the state's Public Service Board April 13
GULF OIL: Westinghouse Electric and Gulf Oil settle a uranium antitrust battle that has lasted nearly five years March 11
GULF STATES UTILITIES: Has set an ambitious goal of 300 MW of cogeneration in its service area within the next 10 years January 11

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HAWAIIAN COMMERCIAL & SUGAR CO: Sugar, oil firms agree to cogeneration January 32
HOUSTON LIGHTING & POWER: Fiberglass poles may offer alternative choice March 120
HOUSTON LIGHTING & POWER: GAO report, which studied Carolina P&L, Florida P&L, Houston L&P, and two Minnesota G&T co-ops, concluded that regulatory requirements, delays, and uncertainties have increased utilities' operating costs and customers' rates during the past 10 years April 62
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HOUSTON LIGHTING & POWER: NRC Atomic Safety & Licensing Board proposes to close some sessions of its hearings on whether HL&P should get a license to operate its South Texas nuclear plant June 11
HOUSTON LIGHTING & POWER: Some baghouse details relate to scfm, but . . . January 115
HUNGARIAN INSTITUTE FOR ENERGETICS: Condensers in series work well April 119
E.F. HUTTON: Utility sells floating-rate bonds (CEI) January 58
HYDRO ELECTRIC COMMISSION: Truck-mounted cable puller resolves congestion problem May 156

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IDAHO POWER: Proposes a sliding-scale charge based on service-entrance size, in an effort to discourage use of electricity in its service area January 13
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ILLINOIS POWER: A consortium of 30 investor-owned electric utilities and NRECA have organized the Utility Acid Precipitation Study Program June 13
ILLINOIS POWER: FERC offers Illinois Power to a two-tier return-on-common-equity procedure in its latest wholesale-rate case April 11
INDIANA & MICHIGAN ELECTRIC CO: US Supreme Court refuses to review an antitrust verdict against I&ME February 11
ION PHYSICS CO: A laboratory demonstration of high-energy electron-beam scrubbing of flue gases containing SO_2 and NO_x successfully converted these gases into particulates through electron-beam bombardment April 14
IOWA-ILLINOIS GAS & ELECTRIC: EPA will not require a scrubber on Louisa generating station, but has issued a new restriction that limits the plant's operation to 85% of capacity on a 24-hr basis March 13
IOWA PUBLIC SERVICE: Interview with Frank W. Griffith (President of Iowa PS) new incoming chairman of EEI: The Financial dilemma: Is there a way out? March 27

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JAPAN ATOMIC POWER CO: Is ordered to shut down its 357 MW Tsuruga nuclear plant for six months because it failed to report a series of radioactive spills June 11
JERSEY CENTRAL POWER & LIGHT: GPU awaits DOE approval to conduct a one-year feasibility study on the possibility of constructing a 200-MW coal-fired turbine April 9
JERSEY CENTRAL POWER & LIGHT: GPU subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant at Windsor via a wheeling arrangement with Detroit Edison, Consumers Power, Toledo Edison, and CEI April 14
JERSEY CENTRAL POWER & LIGHT: State takeover of JCP&L was recommended by a consultant who was hired by the Board of Public Utilities following the TMI accident May 16

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KNOXVILLE UTILITIES BOARD: Charles Dean Jr, general manager of the Knoxville Utilities Bd, is expected to be confirmed by the Senate in the next week or so as chairman of TVA June 16
KRAFTWERK UNION: Largest gas turbine that KU ever made (125 MW) is readied for shipment to the Walheim power station April 19

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LAWRENCE HYDROELECTRIC ASSOCIATES: 1981 capacity additions report's NPCC hydroelectric section inadvertently listed Lawrence Units 1 and 2 as owned by the City of Lawrence, Mass. The project is, however, a limited partnership between Lawrence Hydroelectric Associates and EG&G and a general partnership with Essex Co March 16
LONG ISLAND LIGHTING: Westinghouse resolves the last of 17 uranium-supply lawsuits which began in 1975 in a settlement with Lilco May 11
LOS ANGELES DEPT OF WATER & POWER: Will participate in developing a 210-kW solar-pond demonstration project June 11
LOS ANGELES DEPT OF WATER & POWER: Work begins on 10-MW solar-tower powerplant April 21

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MCGRAW-HILL: American business plans to hike capital spending by 12.3% in 1981 April 62
MCILVAINE CO: A 30% expansion of the US precipitator industry from 1980 to 1985 is predicted April 120
METROPOLITAN EDISON: GPU subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant via a wheeling arrangement with Detroit Edison, Consumers Power, Toledo Edison, and CEI April 14
MIDLAND CONSTRUCTION: Copter-hung basket for static line work above 'hot' lines March 121
MIDWEST RESEARCH INSTITUTE: A survey of more than 130 utilities, serving 70% of all residential customers in the US, shows that average cost per kWh varies from 1.48 cents to 11.8 cents--a difference of 800% March 13
MILWAUKEE RAILROAD: Three electric utilities and four states join in a last-minute effort to save a 631-mi section of the Milwaukee RR which serves the Big Stone power plant in northeastern South Dakota March 16

MILWAUKEE RAILROAD: Three utilities that own the 410-MW Big Stone power plant in SD consider buying the only rail line to the plant June 15

MINNESOTA POWER & LIGHT: Plant's flyash supplies the lime for its SO_2-removal unit April 171

MINNKOTA CO-OP: Copter extends its use on utility line projects February 113

MISSISSIPPI POWER CO: One tractor handles coal feeding for Daniel plant's 500-MW unit May 157

MISSISSIPPI POWER & LIGHT: Mississippi federal district court rules Purpa void and unconstitutional March 11

MISSOURI POWER & LIGHT: Load-management test marks introduction of TWACS system January 129

MONTANA-DAKOTA UTILITIES: Three electric utilities and four states join in a last minute effort to save a 631-mile section of the Milwaukee RR which serves the Big Stone power plant in northeastern SD March 16

MONTANA-DAKOTA UTILITIES: Three utilities that own the 410-MW Big Stone power plant in SD consider buying the only rail line to the plant June 15

MONTANA POWER CO: Canadians buy into Montana Power January 57

MOODY'S INVESTOR SERVICE: Houston L&P has been advised by Moody's that its mortgage bonds and preferred stock have been downrated from double-A to single-A January 16

MT CARMEL (ILL) PUBLIC UTILITY: Illinois Power agrees in principle to merge the Mt Carmel Public Utility into its system April 14

MOUNTAIN STATES ENERGY INC: The first significant generation of electricity was achieved last month at DOE's $40-million MHD test facility in Butte, Mont June 11

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NATIONAL ECONOMIC RESEARCH ASSOCIATES: Can utilities afford conservation? February 29

NATIONAL ECONOMIC RESEARCH ASSOCIATES: Utilities must do more communicating January 107

NATIONAL ELECTRIC RELIABILITY COUNCIL: For summer: Most systems seem adequate June 26

NEW ENGLAND ELECTRIC SYSTEM: Load-management test marks introduction of TWACS system January 129

NEW ENGLAND ELECTRIC SYSTEM: UOP Inc plans to build a $74-million, 50-MW trash-to-fuel plant in North Andover, Mass, and sell power not used in its operations to the NEES March 13

NEW YORK POWER POOL: Projects oil-to-coal conversion June 28

NEW YORK STATE ENERGY RESEARCH & DEVELOPMENT AUTHORITY: A mobile research van and radon detection system called Aardvark was hooked up to nine homes in the Rochester area to assess the relationship between air infiltration, energy use, and air quality April 14

NIAGARA-MOHAWK: After a six-year fight against efforts of the Town of Massena to establish its own municipal power system, N-M has conceded February 11

NIAGARA-MOHAWK: Conrail begins operating the nation's longest tank-car unit train from Albany to N-M's tank farm at Oswego February 11

NIAGARA-MOHAWK: Fiber-optic link breaks data logjam February 89

NIAGARA-MOHAWK: NRC proposes a $225,000 fine against N-M and order the utility to bar a former site superintendent at its Nine Mile Point nuclear plant from involvement in any of the company's nuclear activities January 11

NIAGARA-MOHAWK: NRC says N-M has agreed to pay a $215,000 fine on charges that it submitted an inaccurate report on safety equipment at its Nine Mile Point nuclear plant April 9

NORCO: Valves for PWRs to undergo safety testing March 19

NORTH CAROLINA ELECTRIC MEMBERSHIP CORP: Western Fuels Assn signs a contract with NCEM to study the use of peat as a boiler fuel for a generating plant the latter proposes to build and operate January 16

NORTHERN ENGINEERING INDUSTRIES LTD: Ontario utilities were called on to promote electricity's value, during a recent Canadian conference May 11

NORTHERN INDIANA PS: Eight-month strike comes to an end after United Steelworkers ratify a settlement proposed by a federal mediator March 16

NORTHERN STATES POWER: Minnesota PUC denies NSP's application for recovery of the $10.9-million annual cost of amortizing the canceled Tyron nuclear plant, challenging FERC on jurisdiction over the issue June 13

NORTHWEST IOWA POWER CO-OP: Hydraulics for remote pole-top switching May 151

NORTHWESTERN PUBLIC SERVICE: Three electric utilities and four states join in a last-minute effort to save a 631-miles section of the Milwaukee RR which serves the Big Stone power plant March 16

NORTHWESTERN PUBLIC SERVICE: Three utilities that own the 410-MW Big Stone power plant in SD consider buying the only rail line to the plant June 15

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OHIO EDISON: And Duquesne Light and Pennsylvania Power agree to install more than $500-million of pollution-control equipment at ten coal-fired plants on their systems to settle US government lawsuits February 11

OHIO EDISON: Ohio PUC declines to allow Ohio Edison to pass on to its customers the cost of high-priced coal it is buying under long-term contract from three mines own by Quarto Mining Co February 14

OKLAHOMA G&E: Management plan boosts T&D crew effectiveness by 40% April 169

ONTARIO HYDRO: Amperage-limiter activates negligent bill payers March 119

ONTARIO HYDRO: GPU subsidiaries are currently getting 63 MW from Ontario Hydro's Keith plant via a wheeling arrangement April 14

OTTER TAIL POWER: Will build a 135-MW coal-fired cogeneration facility near Jamestown, ND February 9

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